

CHR® 2302

UHMW Pressure Sensitive Adhesive Tape

CHR 2302 is manufactured from UHMW (Ultra High Molecular Weight) polyolefin film coated with acrylic adhesive.

Features/Benefits

CHR 2302 exhibits excellent abrasion resistance and a low coefficient of friction, making it an excellent protection for surfaces or bearings that experience heavy wear. It is more economical than PTFE tapes. The high-temperature, high-tack acrylic adhesive adheres readily to most dry, clean surfaces, firmly anchoring the product in place.

Availability

Factory stock for 2302 is in master log form 33 m × 889 mm (36 yd × 35 in). Rolls can be slit in widths ranging from 6.35 mm to 889 mm (0.25 in to 35 in). The product is supplied with a blue poly-film inter-liner, which protects the adhesive, facilitates die cutting, and peels off easily. Brown paper is also available as a custom product.

Applications

CHR 2302 can be used to provide an abrasion-resistant, anti-stick, anti-friction surface at temperatures up to 107°C (225°F). It is frequently used to line chutes and conveyors. The product is often applied to guide rails to reduce noise levels in glass bottling plants. This tape is also used to replace desk drawer bearings, and to provide silky smooth, friction free drawer movement.



CHR 2302 Properties

Performance tests are run using standard test procedures.

The values presented are typical values and should not be used for specification purposes.

Product Number	2302-3R	2302-5R	2302-10R	2302-20R
Backing Material	Film-UHMW	Film-UHMW	Film-UHMW	Film-UHMW
Adhesive Type	Acrylic	Acrylic	Acrylic	Acrylic
Total Thickness mm (mil)	0.114 (4.5)	0.165 (6.5)	0.292 (11.5)	0.546 (21.5)
Backing Thickness mm (mil)	0.076 (3.0)	0.127 (5.0)	0.254 (10.0)	0.508 (20.0)
Adhesive Thickness mm (mil)	0.038 (1.5)	0.038 (1.5)	0.038 (1.5)	0.038 (1.5)
Adhesion to Steel N/cm (oz/in)	3.8 (35)	4.9 (45)	5.5 (50)	5.5 (50)
Tensile Strength N/cm (lb/in)	35 (20)	70 (40)	140 (80)	254 (145)
Elongation (% at break)	300	350	425	500
Operating Temperature °C (°F)	-40 to +107 (-40 to +225)	-40 to +107 (-40 to +225)	-40 to +107 (-40 to +225)	-40 to +107 (-40 to +225)
Colour	Natural	Natural	Natural	Natural



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